



BK BIRLA CENTRE FOR EDUCATION
SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL
MID TERM EXAMINATION 2024-25
COMPUTER APPLICATION (165)



Class: X
Date: 16.09.2024
Name:

Duration: 2 hrs.
Max Marks: 50
Exam No. :

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of 20 questions in two sections: Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. All questions of a particular section must be attempted in the correct order.
5. **SECTION A - OBJECTIVE TYPE QUESTIONS (15 MARKS):**
 - i. This section has one MCQ based question.
 - ii. Marks allotted are mentioned against each question/part.
 - iii. There is no negative marking.
 - iv. Do as per the instructions given.
6. **SECTION B – SUBJECTIVE TYPE QUESTIONS (35 MARKS):**
 - i. This section has 19 questions.
 - ii. A candidate has to do 15 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

MARKING SCHEME

SECTION A: OBJECTIVE TYPE QUESTIONS

I. Multiple Choice Questions: (Answer any fifteen)

(15 X 1 = 15)

1. Which of the following is an example of an Internet Service Provider (ISP)?

- a) Microsoft
- b) Google Chrome
- c) Airtel
- d) Windows

Answer: c) Airtel

2. What does 'URL' stand for?

- a) Universal Resource Locator
- b) Uniform Resource Locator
- c) Uniform Reference Locator
- d) Universal Reference Locator

Answer: b) Uniform Resource Locator

3. The first network that became the foundation of the Internet was known as:

- a) ARPANET
- b) MILNET
- c) NSFNET
- d) INTRANET

Answer: a) ARPANET

4. What is the primary function of a modem?

- a) To store data
- b) To connect different networks
- c) To modulate and demodulate signals
- d) To provide wireless connectivity

Answer: c) To modulate and demodulate signals

5. Which of the following is a secure protocol used for web communication?

- a) HTTP
- b) FTP
- c) HTTPS
- d) TCP

Answer: c) HTTPS

6. What does DNS stand for?

- a) Domain Name System
- b) Digital Network Service
- c) Data Name Service
- d) Domain Network System

Answer: a) Domain Name System

7. What is the function of a search engine?

- a) To browse the web
- b) To host websites
- c) To search for information on the web
- d) To send and receive emails

Answer: c) To search for information on the web

8. Which of the following is NOT a web service?

- a) Cloud Storage
- b) Email
- c) Remote Desktop
- d) Microsoft Word

Answer: d) Microsoft Word

9. What does 'HTML' stand for?

- a) Hyperlinks and Text Markup Language
- b) Hyper Text Markup Language
- c) Home Tool Markup Language
- d) Hyper Tag Markup Language

Answer: b) Hyper Text Markup Language

10. Which HTML tag is used to define a paragraph?

- a) <para>
- b) <p>
- c) <text>
- d) <pg>

Answer: b) <p>

11. Which attribute is used to specify the URL of an image in the tag?

- a) href
- b) src
- c) link
- d) file

Answer: b) src

12. Which of the following tags is used to define the title of an HTML document?

- a) <meta>
- b) <head>

- c) <title>
- d) <header>

Answer: c) <title>

13. Which HTML tag is used to create italic text?

- a) <italic>
- b)
- c) <i>
- d) <it>

Answer: c) <i>

14. Which tag is used to create a line break in HTML?

- a) <lb>
- b)

- c) <break>
- d) <line>

Answer: b)

15. How do you create an unordered list in HTML?

- a)
- b)
- c) <list>
- d) <uol>

Answer: a)

16. Which tag is used to create a horizontal line on a webpage?

- a) <line>
- b) <hr>
- c) <hline>
- d) <hl>

Answer: b) <hr>

17. What does 'CSS' stand for?

- a) Colorful Style Sheets
- b) Computer Style Sheets
- c) Cascading Style Sheets
- d) Creative Style Sheets

Answer: c) Cascading Style Sheets

18. Which property is used to change the background color of an element in CSS?

- a) bgcolor
- b) background-color
- c) color
- d) bg-color

Answer: b) background-color

19. Assertion (A): External CSS is recommended for large websites to maintain consistent styling across multiple pages.

Reason (R): External CSS files can be linked to multiple HTML documents, reducing code redundancy.

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but R is not the correct explanation of A.
- c) A is true, but R is false.
- d) A is false, but R is true.

Answer: a) Both A and R are true, and R is the correct explanation of A.

20. What is the purpose of the margin property in CSS?

- a) To set the space inside an element
- b) To set the space outside the border of an element

- c) To add a border around an element
 - d) To change the background color of an element
- Answer:** b) To set the space outside the border of an element

SECTION B: SUBJECTIVE TYPE QUESTIONS

II. Short Answer Type Questions : (Answer any ten) (10 X 2 = 20)

1. **Explain the difference between the Internet and the World Wide Web.**

Ans. : The **Internet** is the physical network of computers, while the **World Wide Web (WWW)** is a system of interlinked hypertext documents and multimedia accessed via the Internet.

2. **What are the primary functions of an ISP?**

Ans. : An **ISP** provides Internet connectivity, assigns IP addresses, and offers related services such as email, web hosting, and domain registration.

3. **How does a search engine work?**

Ans. : A **search engine** works by crawling, indexing, and ranking web pages. It uses algorithms to retrieve relevant web pages based on the keywords entered by the user.

4. **Differentiate between 'HTTP' and 'HTTPS.'**

Ans. : **HTTP** (HyperText Transfer Protocol) is the protocol used for transmitting web pages. **HTTPS** (HTTP Secure) is an extension of HTTP that uses encryption (SSL/TLS) for secure communication over a computer network.

5. **How does the tag work in HTML?**

Ans. : The tag is used to embed images in an HTML document. It requires the src attribute to specify the image file's path and alt for alternate text.

6. **Explain the difference between an opening and closing tag in HTML.**

Ans. : An **opening tag** marks the beginning of an element and is written like <tagname>. A **closing tag** marks the end of an element and is written like </tagname>.

7. **What is the significance of the <head> section in an HTML document?**

Ans. : The <head> section contains meta-information about the document, such as the title, links to stylesheets, scripts, and other meta tags that describe the document's properties.

8. **Differentiate between the and tags in HTML.**

Ans. : The tag is used for bold text purely for visual emphasis, while the tag also implies that the text is of strong importance.

9. **How can you change the color of text using HTML?**

Ans. : The color of text can be changed using the style attribute with the color property.

Example:

```
<p style="color:blue;">This is blue text.</p>
```

10. **Explain the use of the <blockquote> tag.**

Ans. : The <blockquote> tag is used to define a section that is quoted from another source. It typically indents the quoted content.

11. **How does external CSS differ from internal CSS?**

Ans. : **External CSS** is written in a separate .css file and linked to the HTML document, while **Internal CSS** is written within the <style> tag inside the <head> section of the HTML document.

12. **Explain the concept of selectors in CSS.**

Ans. : **Selectors** in CSS are used to target HTML elements to apply styles. Examples include element selectors (p), class selectors (.className), and ID selectors (#idName).

III. Long Answer Type Questions : (Answer any five)

(5 X 3 = 15)

1. **Explain how the Internet has impacted communication globally.**

Ans. : The Internet has revolutionized communication by enabling instant messaging, emails, video calls, and social media, breaking down geographical barriers and fostering global connectivity and information exchange.

2. **Discuss the importance of cloud computing in web services.**

Ans. : **Cloud computing** allows users to store and access data and applications over the Internet instead of local servers or personal computers. It offers scalability, flexibility, and cost-effectiveness, enabling businesses to access resources on demand.

3. **Write the basic structure of an HTML document and explain each part.**

Ans. :

```
<!DOCTYPE html>
<html>
<head>
  <title>Page Title</title>
</head>
<body>
  <h1>My First Heading</h1>
  <p>My first paragraph.</p>
</body>
</html>
```

`<!DOCTYPE html>`: Declares the document type.

`<html>`: The root element of the document.

`<head>`: Contains meta-information like title and links to CSS/JS.

`<title>`: Sets the page title.

`<body>`: Contains the content of the web page.

4. **Explain how hyperlinks are created in HTML using the <a> tag.**

Ans. : Hyperlinks are created using the `<a>` tag with the href attribute. The href specifies the URL of the page the link goes to. Example:

```
<a href="https://www.example.com">Visit Example</a>
```

5. **Describe the different types of lists in HTML with examples.**

Ans. : HTML supports three types of lists:

Ordered List (): A numbered list

```
<ol>
  <li>Item 1</li>
  <li>Item 2</li>
</ol>
```

Unordered List (): A bulleted list.

```
<ul>
  <li>Item A</li>
  <li>Item B</li>
</ul>
```

Definition List (<dl>): A list of terms and descriptions.

```
<dl>
  <dt>Term 1</dt>
  <dd>Definition 1</dd>
</dl>
```

6. Explain the process of adding images with captions in HTML.

Ans. : Images can be added using the tag, and captions can be added using the <figcaption> tag within the <figure> tag

```
<figure>
  
  <figcaption>This is an image caption.</figcaption>
</figure>
```

7. How can CSS be used to create responsive web designs? Discuss with examples.

Ans. : **Responsive web design** is achieved by using CSS media queries, flexible grids, and images. Media queries allow for different styles based on screen size, like:

```
@media screen and (max-width: 600px) {
  body {
    background-color: lightblue;
  }
}
```

***** ALL THE BEST *****